

CLAIMS

1. A composite sheet for artificial leather with low elongation and excellent softness, comprising:

5 a non-woven fabric layer (1) made of ultra fine fibers having a fineness less than 0.3 denier;

a woven or knitted fabric layer (2) constructed from a yarn made of ultra fine fibers having a fineness less than 0.3 denier; and

polyurethane resin,

10 wherein the ultra fine fibers of the non-woven fabric layer (1) and the ultra fine fibers of the woven or knitted fabric layer (2) are entangled with each other.

2. The composite sheet of claim 1, wherein the ultra fine fibers
15 located on the surface of the composite sheet for artificial leather are raised.

3. The composite sheet of claim 1, wherein the fineness of the ultra fine fibers of the woven or knitted fabric layer (2) is 0.01 to 0.3
20 denier.

4. The composite sheet of claim 1, wherein the yarn constituting the woven or knitted fabric layer (2) is constructed of 200 to 10,000 ultra fine fibers.

5. The composite sheet of claim 1, wherein the total denier of the yarn constituting the woven or knitted fabric layer (2) is 30 to 150 deniers.

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6. The composite sheet of claim 1, wherein the number of twists of the yarn constituting the woven or knitted fabric layer (2) is 500 to 700 twists/m.

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7. The composite sheet of claim 1, wherein the number of twists of the yarn constituting the woven or knitted fabric layer (2) is 700 to 2,500 twists/m.

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8. The composite sheet of claim 1, wherein the number of twists of the yarn constituting the woven or knitted fabric layer (2) is 2,500 to 4,000 twists/m.

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9. The composite sheet of claim 1, wherein the yarn constituting the woven or knitted fabric layer (2) is a staple spun yarn or continuous filament yarn.

10. The composite sheet of claim 1, wherein the yarn constituting the woven or knitted fabric layer (2) is a polyester based resin or nylon based resin.

11. The composite sheet of claim 1, wherein the weight of the woven or knitted fabric layer (2) is 30 to 200g/m².

5 12. The composite sheet of claim 1, wherein the warp and weft densities of the woven or knitted fabric layer (2) are more than 40 yarns/inch.

13. A composite sheet for artificial leather with low elongation
10 and excellent softness, comprising:

a non-woven fabric layer (1) made of ultra fine fibers;

a woven or knitted fabric layer (2) made of ultra fine fibers;

and

polyurethane resin,

15 wherein the ultra fine fibers of the non-woven fabric layer (1) and the ultra fine fibers of the woven or knitted fabric layer (2) are entangled with each other and the fineness of the ultra fine fibers of the woven or knitted fabric layer (2) is not more than the fineness of the ultra fine fibers of the non-woven fabric layer (1).

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14. The composite sheet of claim 13, wherein the ultra fine fibers located on the surface of the composite sheet for artificial leather are raised.

15. The composite sheet of claim 13, wherein the weight ratio of the non-woven fabric layer (1) to woven or knitted fabric layer (2) is 90:10 to 50:50.

5 16. The composite sheet of claim 13, wherein the weight ratio of the ultra fine fibers to polyurethane resin is 90:10 to 50:50.

17. A composite sheet for artificial leather with low elongation and excellent softness, comprising:

10 a non-woven fabric layer (1) made of ultra fine fibers;
 a woven or knitted fabric layer (2) made of ultra fine fibers;
 and
 polyurethane resin,

 wherein the ultra fine fibers of the non-woven fabric layer (1)
15 and the ultra fine fibers of the woven or knitted fabric layer (2) are
 entangled with each other and the composite sheet has a stitching
 strength of more than 30kg/mm, an elongation at constant load of
 less than 20% and a stiffness of less than 80mm.

20 18. The composite sheet of claim 17, wherein the ultra fine
 fibers located on the surface of the composite sheet for artificial
 leather are raised.